ABSTRACT OF THE DISCLOSURE

A receiver for transmission and parallel interference ~~suppression is envisioned. The receiver~~ has multiple access interference suppression stages having K channels, each comprising a correlation ~~means~~ <u>device</u> corresponding to a particular pseudorandom sequence and interference generation and suppression ~~means~~ <u>device</u>. Each stage delivers to the following stage signals at least partly freed from multiple access interferences. A decision stage receives the signals from the channels of the preceding suppression stage. Each decision stage has a correlation ~~means~~ <u>device</u> corresponding to one of the pseudorandom sequences and decision ~~means~~ <u>device</u> to deliver data. ~~A means~~ <u>Devices</u> for producing synchronization signals can control the interference suppression and the decision ~~means~~ <u>device</u>. The ~~means~~ <u>devices</u> producing the synchronization signals have ~~means~~ <u>components</u> placed in the channels of the final stage<u>. Further</u>, the synchronization signals produced by ~~the means controlling~~ <u>these devices</u> <u>control</u> the decision ~~means~~ <u>device</u> of the channels of the final stage and the interference estimation ~~means~~ <u>device</u> of the at least one interference suppression stages following appropriate time shifts.